



Health and Safety Services

MODULO DIAGRAMMA-FOTO Instructions for the correct disposal of waste

SGI_00_01_POG_SPP_MDF

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Rev. N°01 del 29/Apr/2015

Motivo: aggiornamento

DESCRIZIONE



Biohazard Waste disposal

CER 180103*

Sharp implements
needles, blades, razors,
glass slides, coverslips,
glass Pasteur pipettes



**Plastic disposable
pipettes**



Solid waste

Petri dishes, tubes, gloves,
paper contaminated by
biological fluids, cellular
lines, bacteria or viruses



Liquid waste

Supernatants from cell
and bacterial cultures,
blood



TEMPORARY DISPOSAL ROOM



Health and Safety Services

MODULO DIAGRAMMA-FOTO

Instructions for the correct disposal of waste



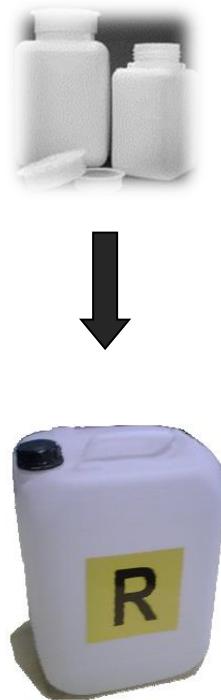
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Rev. N°01 del 29/Apr/2015

Motivo: aggiornamento

DESCRIZIONE

CER 150110*	CER 150202*	CER 070704*
Material contaminated with dangerous chemical substances	Absorbing material contaminated with dangerous chemical substances	Chemical liquid waste
Pipettes, tips, tubes, glass and plastic bottles contaminated by dangerous chemical substances	Paper and gloves contaminated by dangerous chemical substances, agarose and acrylamide gels	Methanol, dyes, acids, PFA, formamide, fenol/chloroform, Tris buffers, NaOH...
		
Close the plastic box and deposit in the designated temporary disposal room	Close the plastic box and deposit in the designated temporary disposal room	Close securely and deposit the tank in the designated temporary disposal room

SGI_00_01_POG_CHI MDF- Instructions for the correct disposal of waste

Tel.: 040/3787-739 - e-mail: safety@sisa.it - www.sisa.it/safety

Written by

BIGIARINI TULLIO

Controlled by

Approved by

SPP



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DESCRIZIONE

CER 180103*

Infected biological waste

- Petri dishes,
- Falcons and tubes,
- Gloves and paper contaminated by biological fluids,
- Cellular lines, bacteria and viruses,
- Everything that comes in contact with biological material.

In case of doubt, ask the SISSA Safety Office (extension 739).



How to dispose Infected biological waste bins correctly

- Always use the yellow plastic bags for biological waste. Example, Plastic pipettes should be disposed in the tall trash bin with the yellow bag. Once full, this bag will go inside the white biological waste bins.
- Do not use tape to close the yellow bag. Instead, use cable ties (*fascette*) to properly secure the bags and avoid leakage of any liquid that eventually ends up in the bags.



Close the cardboard box

- Once the white box is $\frac{3}{4}$ full, follow the instructions on the cover to close the cardboard box securely.



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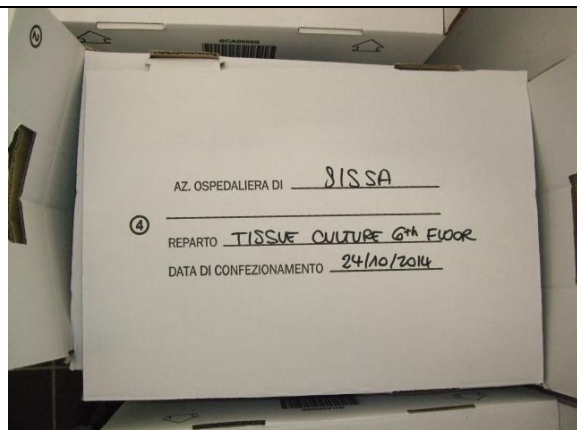
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Sign the white biological waste box and deposit in the designated temporary disposal room:

- Write the name of the laboratory.
- DO NOT write the date.
- Deposit the white biological waste box in the designated temporary room in the 4th floor (room 458).



ATTENTION!

- DO NOT over fill the yellow bag. The white box should be only $\frac{3}{4}$ full.



ATTENTION!

- DO NOT put glass Pasteur pipettes, sharp implements like needles, blades, razors, glass slides, coverslips, etc inside the yellow bag.

NOTE: this point is very important because the Waste Disposal Company can notify the Italian authorities of our misconduct and sanction us. This can even lead to the temporary closure of all SISSA laboratories.



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DESCRIZIONE

CER 180103*

Sharp implements, Glassware

- needles,
- blades, razors,
- glass slides,
- coverslips,
- glass Pasteur pipettes.

In case of doubt, ask the SISSA Safety Office (extension 739).



Yellow plastic bin for long Glass Pasteur pipettes

- When the yellow bin is in use, you can leave the opening in this way.
- Once full, rotate the lid so that it is closed properly and permanently (you will hear a click once the lid is locked).
- Write the name of the laboratory.
- DO NOT write the date.

Deposit in the designated temporary room in the 4th floor (room 458).



Yellow plastic bin for Sharp implements and Glassware

- When the yellow bin is in use, keep the lid positioned as shown in the left picture.
- Once full, close it properly and permanently like in the right picture.
- Write the name of the laboratory.
- DO NOT write the date.

Deposit in the designated temporary room in the 4th floor (room 458).



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DESCRIZIONE

When the yellow plastic bin for Sharp implements and Glassware is in use, close the red lid properly.

- The red lid should be pushed down till the yellow ridge. See accompanying picture.



CER 180103*

Biological liquid waste

- Supernatants from cell and bacterial cultures,
- blood

Close securely and deposit the tank in the designated temporary disposal room in the 4th floor (room 458).

- Write the name of the laboratory and the code of the biological matter with a PERMANENT MARKER.
- Also use the stickers provided in the temporary storage room in the 4th floor (room 458) to correctly identify the biological matter.

In case of doubt, ask the SISSA Safety Office (extension 739).



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DESCRIZIONE

CER 150110*

Material contaminated with dangerous chemical substances

- Solid chemical waste
- Pipettes, tips, tubes, glass and plastic bottles contaminated by dangerous chemicals.

Close the plastic box and deposit in the designated temporary disposal room in the 4th floor (room 458).

In case of doubt, ask the SISSA Safety Office (extension 739).



CER 150202*

Absorbent material contaminated with dangerous chemicals

- Paper and gloves (protective personal equipment) contaminated by dangerous chemical substances,
- Agarose and acrylamide gels.

Close the plastic box and deposit in the designated temporary disposal room in the 4th floor (room 458).

In case of doubt, ask the SISSA Safety Office (extension 739).



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DESCRIZIONE

Right waste in right bin!

Please pay attention of what you put in the different waste bins. Waste Disposal Companies (WDC) that dispose our waste perform random checks, and when they find the trash bins containing inappropriate items, they can

- Increase the price for the service
- Refuse to dispose the waste generated by our institute
- Notify the Italian authorities of our misconduct and sanction us. This can even lead to the temporary closure of all SISSA laboratories.

Therefore, from now on, you must sign the code CER 150202 and 150110 (see above) and the initials of your laboratory so that the trash can be identified. This is to trace the waste in case we receive complaints from the WDC. In such an event that the WDC contact SISSA, the Safety Office will contact the laboratory to ask for help in identifying particular waste.

For example, in the picture the DNA loading buffer is disposed in the Chemical waste according to SISSA regulations. But the WDC see the word DNA and assumes it is biological in origin and so for them we should have used the biological waste. Hence, in this case, we must provide them this reason.



CER 070704*

Chemical liquid waste

- Methanol, dyes, acids,
- PFA, formamide, fenol/chloroform,
- Tris buffers, NaOH

Close securely and deposit the tank in the designated temporary disposal room in the 4th floor (room 458).

In case of doubt, ask the SISSA Safety Office (extension 739).



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DESCRIZIONE

Liquid chemical wastes

- The liquid chemical wastes are collected under the hood.
- When the temporary chemical wastes jar is full, transfer to the big tank UNDER the hood.
- Once full, close the tank properly and permanently, like in the right picture.
- Write the name of the laboratory and the code of the chemical with a PERMANENT MARKER.
- Also use the stickers provided in the temporary storage room in the 4th floor (room 458) to correctly identify the chemical.
- DO NOT write the date.

Deposit in the designated temporary room in the 4th floor (room 458).

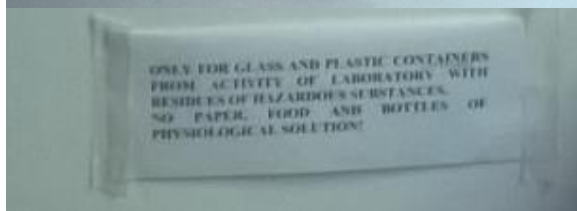
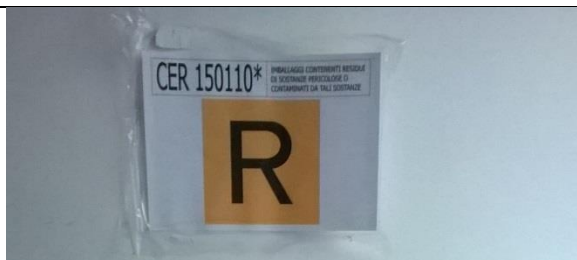
In case of doubt, ask the SISSA Safety Office (extension 739).



LARGE CONTAINERS:

- for large glass and plastic containers (broken or not), use provided the metal drum (*bidone da 220 litri dedicato*).

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Plastic recycling information sheet

Recyclable plastic waste bin

- All plastic items marked with the following codes: PE, PET and PVC;
- Bottles for liquids and drinks, products for cleaning and personal hygiene, shampoo and foam bath;
- Food and oven-ready meals trays (OF COURSE NOT IN THE LABS!!);
- Protective packaging for various goods, such as foam and similar;
- Carrier bags;
- Cling film.

Pay attention

This is not recyclable plastic

- All items not marked with PE, PET and PVC;
- All types of containers with dangerous substances (chemicals, paint...);
- Toys, CD, DVD and audio cases;
- Dishes, plastic glasses and cutlery (OF COURSE NOT IN THE LABS!!);
- Tubes of toothpaste, bottles of oil, laboratory waste (e.g. syringes, plasma bags, bottles for physiological liquids and haemodialysis, etc);
- Long lasting products (e.g. houseware, household electrical appliances, furnishing, etc)
- Building materials and supplies;
- Cloatheshangers.



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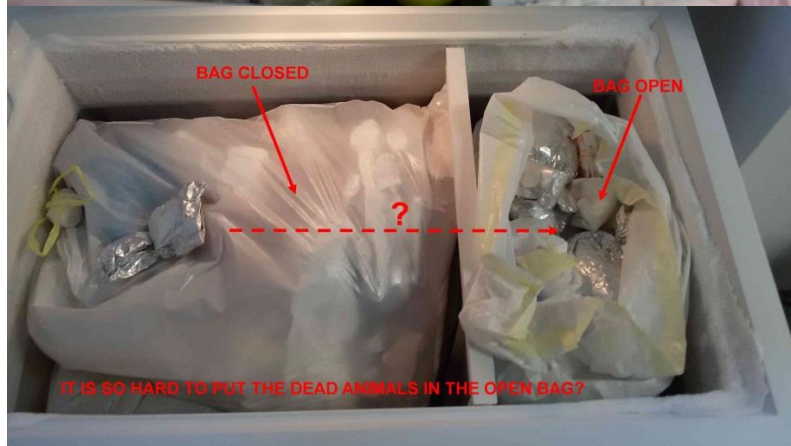
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Rev. N°01 del 29/Apr/2015

Motivo: aggiornamento

DESCRIZIONE



Freezer of dead animals

Please pay attention to the pictures:

These are the **wrong** condition of the freezer for death animals.

NOTE that this is lack of respect towards technical staff that have to empty this freezer. If this situation will continue, we have to organize a rotation of students to do so.

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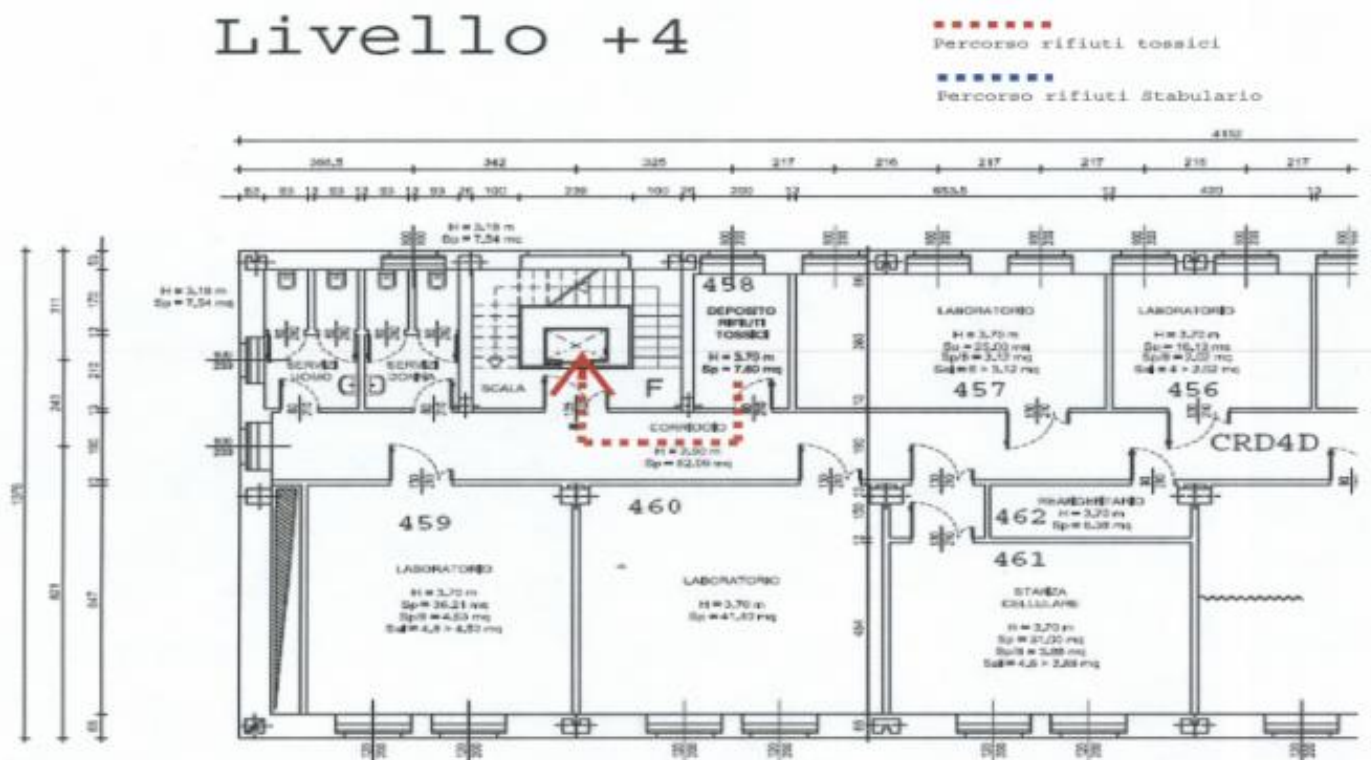
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DESCRIZIONE

The designated temporary room in the 4th floor -room 458- is shown in the picture below.
The elevator F is the one assigned for moving ALL TYPES of wastes.



Transfer the waste in the temporary disposal room (room 458)

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